Claim Amendments

1. (Currently amended) An apparatus comprising:

a connecting rod having a first passage and a second passage;

a first groove disposed along an entire circumference of ~~circumferentially along~~ a bearing surface of the connecting rod, the first groove in constant fluid communication with the first passage;

a second groove disposed along an entire circumference of ~~circumferentially along~~ a pin interface surface of the connecting rod, the second groove in constant fluid communication with the first passage and the second passage;[[.]]

wherein lubrication fluid flows through the first passage and the second passage and sprays on a piston during engine operation.

2. (Previously presented) The apparatus of Claim 1, wherein the piston has an underside surface, and wherein the lubrication fluid sprays onto the underside surface.

3. (Previously presented) The apparatus of Claim 1,

wherein the apparatus comprises a connecting rod, a connecting rod bearing, a piston pin, and a piston pin bushing;

wherein the connecting rod bearing is disposed between the connecting rod and the crankshaft;

wherein the piston pin bushing is disposed between the connecting rod and the piston pin.

4. (Previously presented) The apparatus of Claim 1, wherein the first groove is disposed in a connecting rod bearing.

5. (Previously presented) The apparatus of Claim 1, wherein the second groove is disposed in a piston pin.

6. (Previously presented) The apparatus of Claim 5, further comprising a first bushing hole and a second bushing hole disposed in the piston pin bushing, wherein the first bushing hole and the second bushing hole are in fluid communication with the second groove.

7. (Currently amended) The apparatus of Claim [[4]] 6, wherein the first bushing hole and the second bushing hole are in fluid communication with the first passage and the second passage ~~groove extends across an entire circumference of the bearing surface~~.

8. (Previously presented) The apparatus of Claim 4, wherein apparatus comprises a nozzle in fluid communication with the connecting rod, wherein the nozzle forms a nozzle opening, and wherein the nozzle opening aligns with the second passage.

9. (Previously presented) An internal combustion engine comprising the apparatus of Claim 1.

10. (Previously presented) The apparatus of Claim 4, wherein the crankshaft forms a lubricating fluid supply, and wherein the first groove is in fluid communication with the lubricating fluid supply.

11. (Currently amended) A piston cooling system for an internal combustion engine comprising:

a connecting rod having a piston pin opening, a crankshaft opening, a first passage, and a second passage;

a first groove in constant fluid communication with the first passage and the crankshaft opening;

a second groove in fluid communication with ~~the first passage~~ the piston pin opening, and the second passage;

wherein the piston pin opening is disposed between the first passage and the second passage;

wherein the first passage is in constant fluid communication with the piston pin opening;

wherein lubrication fluid flows through the first passage and the second passage to spray on a piston during engine operation.

12. (Currently amended) The piston cooling system of Claim 11, further comprising a piston pin ~~disposed with the connecting rod~~, wherein the second groove is disposed in the piston pin.

13. (Currently amended) The piston cooling system of Claim 11, wherein the second groove extends circumferentially along substantially entirely a pin interface surface of the piston pin opening ~~connecting rod~~.

14. (Currently amended) The piston cooling system of Claim 11, wherein the first groove extends circumferentially along substantially entirely a bearing surface of the crankshaft opening ~~connecting rod~~.

15. (Previously presented) The piston cooling system of Claim 11, further comprising a nozzle in fluid communication with the connecting rod, wherein the nozzle forms a nozzle opening, and wherein the nozzle opening aligns with the second passage.

16 through 20. (Canceled)

21. (Previously presented) The apparatus of Claim [[1]] 5, wherein the ~~first~~ second groove extends radially across a first part of the piston pin and tangentially across a second part of the piston pin~~is continuous along a circumference of the bearing surface~~.

22. (Previously presented) The piston cooling system of Claim 11, wherein the first groove extends across an entire circumference of the bearing surface.

23. (Previously presented) The piston cooling system of Claim 11, further comprising a connecting rod bearing disposed on the connecting rod, wherein the first groove and a bearing hole are disposed in the connecting rod bearing, and wherein the bearing hole is in fluid communication with the first groove.

24. (Previously presented) The piston cooling system of Claim 11, further comprising a piston pin bushing disposed on the connecting rod, wherein the second groove is disposed in the piston pin bushing.

25. (Previously presented) The piston cooling system of Claim 23, further comprising a first bushing hole and a second bushing hole disposed in the piston pin bushing, wherein the first bushing hole and the second bushing hole are in fluid communication with the second groove.